

Pulled / Not Complete.

Work Order ID 125517

125517

Page 1

Item ID: 41228-200-006-003

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Cover Assembly, LH

Stop

NS2

Start Date: 10/9/2014 Start Qty: 1.00

1

Cust Item ID:

Required Date: 10/9/2014 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MCS

Date: 14-10-09

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

41228-200-006

G2

110

110

Small Fab

Small Fab

Memo

MANUFACTURE AS PER DWG'S

0.00

0.00

120

120

QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

130

130

Packaging

Packaging

Identify as per dwg & Stock Location: _____

0.00

Memo

0.00

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 125517

Thursday, October 09, 2014 2:21:55 PM

125517

Page 2

Item ID: 41228-200-006-003 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Cover Assembly, LH
Start Date: 10/9/2014 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 10/9/2014 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

closed 25 incomplete
write all

u
170521

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Page 1

Work Order ID: 125517

125517

Parent Item: 41228-200-006-003

41228-200-006-003

Parent Item Name: Cover Assembly, LH

Start Date: 10/9/2014

Required Date: 10/9/2014

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 14.07.30 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D5157-041		Manufactured	No				Each	0.0000		1			
D5157-041									**				
Hinge Assembly													
20528-301-007-002		Purchased	No				Each	3.0000		1			
20528-301-007-002									**				
Stencil													
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				CA			3						
					m129682		3						
41228-301-006-007		Manufactured	No				Each	2.0000		1			
41228-301-006-007									**				
Stencil													
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				CA			2						
					M129682		2						
20528-301-007-004		Purchased	No				Each	6.0000		2			
20528-301-007-004									**				
Stencil													
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				CA			6						
					M129682		6						
20528-301-007-005		Purchased	No				Each	11.0000		1			
20528-301-007-005									**				
212/412 Stencil													
				<u>Location</u>			<u>Loc Qty</u>			<u>Loc Code</u>			
				CA			11						
					M129682		11						

124897

****** 1 KC 12/08/14

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Page 2

Work Order ID: 125517

125517

Parent Item: 41228-200-006-003

41228-200-006-003

Parent Item Name: Cover Assembly, LH

Start Date: 10/9/2014

Required Date: 10/9/2014

Start Qty: 1.00

Required Qty: 1.00

41228-700-009-003 Purchased No

Each 0.0000 1

41228-700-009-003

Decal

41228-700-009-001 Manufactured No

Each 13.0000 1

41228-700-009-001

Decal

Location

Loc Qty

Loc Code

CA

13

m129682

7

m2129575

6

NAS1149D0363J Purchased No

Each 2,073.000 8

NAS1149D0363.J

Washer

8 KC 14/08/12

Location

Loc Qty

Loc Code

GA

7

124392

7

ST276

1005

m123441

5

m130358

1000

ST510a

1061

m128429

1061

H5000-2-072-188 Purchased No

Each 6.0000 1

H5000-2-072-188

TRIGGER LATCH

1 KC 14/08/12

Location

Loc Qty

Loc Code

CA

6

M129682

1

M130034

5

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Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Page 3

Work Order ID: 125517

125517

Parent Item: 41228-200-006-003

41228-200-006-003

Parent Item Name: Cover Assembly, LH

Start Date: 10/9/2014

Required Date: 10/9/2014

Start Qty: 1.00

Required Qty: 1.00

CR3213-4-3 Purchased No

Each 929.0000 4

~~*CR3213-4-3*~~

Cherry Rivet

4 KC 14/08/12

CCR274CS3-4

M130662

Location

Loc Qty

Loc Code

ST320

100

m129541

100

st552

829

123301

829

MS21044N3 Purchased No

Each 50.0000 4

MS21044N3

NUT

4 KC 14/08/12

Location

Loc Qty

Loc Code

ST306

50

m129541

50

41228-301-005-001 Manufactured No

Each 1.0000 1

41228-301-005-001

Placard

Location

Loc Qty

Loc Code

CA

1

M129682

1

41228-301-088-001 Manufactured No

Each 1.0000 1

41228-301-088-001

Cover, Vent/Filler Cap, LH

KC 14/08/12

Location

Loc Qty

Loc Code

CA

1

m129682

1

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Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Page 4

Work Order ID: 125517

125517

Parent Item: 41228-200-006-003

41228-200-006-003

Parent Item Name: Cover Assembly, LH

Start Date: 10/9/2014

Required Date: 10/9/2014

Start Qty: 1.00

Required Qty: 1.00

41228-301-088-003

Manufactured No

Each

1.0000

1

41228-301-088-003

Hinge Mount, LH

not used

Replaced By D5157-041

Location

Loc Qty

Loc Code

CA

1

m129682

1

MS27039-08-08

Purchased

No

Each

0.0000

4

MS27039-08-08

Screw

KE 14/08/12

8568K381

Purchased

No

Each

0.0000

1

8568K381

Neoprene Rubber

MS27039-1-08

Purchased

No

Each

1,857.000

4

MS27039-1-08

Screw

KE 14/08/12

Location

Loc Qty

Loc Code

ST305

1857

m123265

4

m125654

3

m126319

8

m128636

1842

4

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Page 5

Work Order ID: 125517

125517

Parent Item: 41228-200-006-003

41228-200-006-003

Parent Item Name: Cover Assembly, LH

Start Date: 10/9/2014

Required Date: 10/9/2014

Start Qty: 1.00

Required Qty: 1.00

NAS1149DN832J

Purchased

No

Each

1,617.000

4

NAS1149DN832.J

Washer

*not used
in this Assy*

Location

Loc Qty

Loc Code

ST277

1617

M128948

147

124555

145

M126319

11

M127255

12

M128429

883

M129499

135

M129541

284

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Shop Packet Print

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03751				SHEET 1 OF 1	
	DWG NO. 41228-200-006		REV: G	PREPARED BY B. PETERS	DATE: 12/14/12	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: TANK ASSY					
	APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER	
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED F/N 74.					

CONTROL COPY ISSUED DATE

JAN 02 2013

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 125517 MLC
14-10-09

SHEET 2, BOM IS:

74	R	601.1951	3	3			WASHER	NAS1149DN832J	
F/N	TC	PART NUMBER	-001	-002	-003	-004	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:							CHANGE CATEGORY	DER REVIEW REQUIRED	
☐ RFMS ☐ MDL ☐ INSTALL INSTRUC ☐ ICA ☒ BOM							☐ MAJOR ☒ MINOR	☐ YES ☒ NO	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03712				SHEET 1 OF 1	
	DWG NO. 41228-200-006	REV: G	PREPARED BY B. PETERS	DATE: 11/26/12	EFFECT ON DWG ☐ INC. ☒ UNINC.	
	DWG TITLE: TANK ASSY					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED F/N 81.					

**CONTROL COPY
ISSUED DATE
DEC 03 2012**

81	R	649.6001			1	1	ADAPTER, FUEL, ANTI-SIPHONING		
F/N	TC	PART NUMBER	-004	-003	-002	-001	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:							CHANGE CATEGORY	DER REVIEW REQUIRED	
☐ RFMS ☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM							☐ MAJOR ☒ MINOR	☐ YES ☒ NO	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Training									
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Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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1 MCMASTER CARR P/N 7566K23
 2 MCMASTER CARR P/N 8568K381 50A DUROMETER
 3 VENDOR: HARTWELL CORPORATION
 4 VENDOR: THIKOL/TCM INC., ST. LOUIS, MO.
 5 VENDOR: CLICK BOND, CARSON CITY, NEV
 6 VENDOR: BELL HELICOPTER, FT. WORTH, TX.
 7 DELETED
 8 VENDOR: SHAW AERO DEVICES, FT. MYERS, FLA.
 9 VENDOR: AEROQUIP, JACKSON, MICH.
 10 ALT. P/N PS4023H000DF300A
 11 ALT. P/N PS4023H000DF316A
 12 ALT. P/N PS4023M000DT266A
 13 ALT. P/N PS4023M000DT282A
 14 ALT. P/N 11728-400-001-021
 15 PART OF 41228-201-004-005 AND 41228-201-004-006
 16 INSTALLED DURING FINAL INSTALLATION
 17 ATTACH F/N 113 USING THE ADHESIVE TAPE TO THE
 FUEL RETURN FAIRING LOCATED APPROXIMATELY AS SHOWN.
 18 ROUTE THE WIRES CONNECTING THE ELECTRIC DRAIN VALVES
 OVER F/N 113 AND SECURE USING F/N 114.
 19 DRILL A 7/16" DIAMETER HOLE IN THE FUEL RETURN FAIRING
 LOCATED APPROXIMATELY AS SHOWN. INSTALL GROMMET,
 F/N 87, IN THE HOLE AND ROUTE THE WIRES CONNECTING
 THE ELECTRIC DRAIN VALVES THROUGH THE GROMMET
 20 USE 5 LOOP CLAMPS, F/N 86, TO SECURE THE TANK WIRING
 HARNESS, F/N 31 OR 32, TO THE SCREWS CONNECTING
 THE TANK CLOSURE TO THE TANK SHELL
 21 USE 7 LOOP CLAMPS, F/N 85, TO SECURE THE WIRES
 RUNNING BETWEEN THE ELECTRIC DRAIN VALVES TO THE SCREWS
 CONNECTING THE TANK CLOSURE TO THE TANK SHELL
 22 SHRINK HEAT SHRINK TUBING, F/N 84, A/R AROUND THE
 ENTIRE LENGTH OF THE WIRES RUNNING BETWEEN THE
 TWO ELECTRIC DRAIN VALVES
 23 USE THIN WASHERS, NAS1149D0332J, APICAL P/N
 601.2182, AS AN ACCEPTABLE ALTERNATE AS REQUIRED
 24 USE ALTERNATE LENGTH MS27039--1 SCREWS AS AN
 ACCEPTABLE ALTERNATE AS REQUIRED
 25 ALTERNATE LATCH HARTWELL P/N H-5000-2-081-250
 VENDOR: AIRCRAFT SPRUCE
 VENDOR P/N: 05-01113
 26 CUT NEOPRENE SHEET, F/N 108, TO FIT CONTOUR OF HINGE
 MOUNT. REF DRAWING 41228-301-097
 27 ALTERNATE SEALANT: PRO-SEAL 890 CLASS B TYPE II
 28 O-RING F/N 106, SENT AS PART OF ANTI
 SIPHONING FUEL ADAPTER, F/N 81
 29 GROUND PER MIL-B-5087B CLASS L

33 ALT P/N: ERA P/N PS4023H000AF300A
33 ALT P/N: ERA P/N PS4023H000AF316A
33 ALT MS25083 SERIES JUMPER ACCEPTABLE
33 BOND NUT PLATES TO FAIRING USING CB200-40 ADHESIVE
33 VENDOR: MCMMASTER CARR
33 VENDOR: 3M, ST. PAUL, MN

03712, 03751

REV		DESCRIPTION	DATE	APPROVE
A		REMOVED CROSS FEED FUNCTION FROM MARK ASSEMBLIES. CHG. P/N & NAME OF ITEM 23, DELETED ITEM 10, 28, 36, 49, 57, 60, 67, 76, 84, 87, 88, 89, 90, 91, & 93; CHG. P/N OF ITEM 104, 45, 46, 55, 57, 62, 64, 71, 72, 73, 77, 84, 85, 86, 98, 106, & 107; CHG. P/N OF ITEM 9, 24, 35, 41, 43, & 83 REVISED DETAILS A & A-1 TO SHOW FILLER CAP COVER; ADDED ITEMS 24A, 89 THRU 113; ADDED SHEET 3M FOR LIST OF MATERIAL; ADDED TORQUE NOTE TO SHTS 7 & 10, 11 MAJOR CHANGE - FAR 21.87 (u)	04-04-03	MARVILL
B		DELETED ITEM 5, 44, 50, 56, 57, 75, 84, 85, 86 & 113; CHG. DASH NO. OF ITEM 96, 99, & 111; CHG. P/N OF ITEM 110 & 112, CHG. OF ITEM 71, 92, 100, & 111 MAJOR CHANGE - FAR 21.87 (u)	06-15-04	MARVILL
C		DELETED ITEMS 60, 98 & 107; CHG. OF ITEM 6, 58 & 59 ON L/M & F/D MAJOR CHANGE - FAR 21.87 (u)	06-09-05	
D		INCORPORATED ECN 01897, 01909, 01943 & 01954	10-12-07	P BRAVO
E		INCORPORATED ECN 02978	11-17-10	P BRAVO
F		INCORPORATED ECN 03013, 03040, 03056 & 03075	03-14-11	P BRAVE
G		INCORPORATED ECN 03114	05-17-11	P BRAVE

					22	41228-202-150-001	VENT VALVE BRACKET		
			1		21	41228-202-149-002	R/H DATA PLATE		
				1	20	41228-202-149-001	L/H DATA PLATE		
					19	DELETED			
			1		18	41228-202-133-004	R/H XFER PUMP PLATE ASSY		
				1	17	41228-202-133-003	L/H XFER PUMP PLATE ASSY		
			REF		16	41228-202-127-004	COVER, TRANSFER PUMP		
				REF	15	41228-202-127-003	COVER, TRANSFER PUMP		
					14	DELETED			
			6	6	13	41228-202-101-001	RADIUS DOUBLER		
			REF		12	41228-202-099-002	COVER, FUEL RETURN		
				REF	11	41228-202-099-001	COVER, FUEL RETURN		
					10	DELETED			
			REF	REF	9	41228-202-155-001	COVER, VENT PLATE		
				1	8	41228-202-095-004	R/H FUEL CELL		
				1	7	41228-202-095-003	L/H FUEL CELL		
				15	15	6	41228-202-092-001	RETAINER	
					5	DELETED			
			REF		4	41228-202-081-002	R/H CLOSURE		
				REF	3	41228-202-081-001	L/H CLOSURE		
				1	2	41228-201-004-006	R/H SHELL		
					1	1	41228-201-004-005	L/H SHELL	
				1		41228-200-006-004	R/H COVER ASSY KIT		13
				1		41228-200-006-003	L/H COVER ASSY KIT		13
						41228-200-006-002	R/H TANK ASSY		
						41228-200-006-001	L/H TANK ASSY		
-004	-003	-002	-001	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC	
QTY REQ'D					PARTS LIST				
NEXT ASSY(S)					ORIGINAL DATE (MO-DA-YR) 04-18-01				
41228-000-004					DRAWN BY D NELSON				
					CHECKED BY MURPHY				
					DRAWING APPROVAL				
					CONTRACT NO.				
					UNLESS OTHERWISE SPECIFIED				
					DIMENSIONS ARE IN INCHES				
					TOLERANCES ARE ± .005				
					ANGLES ARE AS SHOWN				
					SCALE SCALE				
					SHEET 1 OF 10				
					APICAL INDUSTRIAL, INC. NEW KEMP ROAD COLUMBUS, GA 31906-8171 PHONE 704-330-				
					TANK ASSY				
					SIZ CASE CODE DWG No 07W26 41228-200-006 REV G				

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Doc/Data									
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Material									
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Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

QTY REQ'D	PART NO.	DESCRIPTION	MAT'L	SPEC
50	50	50 001.1948	SCREW	MS27039-1-11
57	57	57 001.1386	SCREW	MS27039-1-10
64	64	64 001.3137	SCREW	MS27039-08-16
65	65	65 MS25083-6CD9	JUMPER ASSY	
61	61	61 DELETED		
59	59	59 AN4-6A	BOLT	
48	48	48 AN4-5A	BOLT	
57	57	57 DELETED		
41228-200-006-004	41228-200-006-004	R/H COVER ASSY		
41228-200-006-003	41228-200-006-003	L/H COVER ASSY		
41228-200-006-002	41228-200-006-002	R/H TANK ASSY		
41228-200-006-001	41228-200-006-001	L/H TANK ASSY		

NAS 1149 N 832P 02 NAS 1149 CN 816R

NAS 1149 N 832P 02 NAS 1149 CN 816R

08-08

QTY REQ'D	PART NO.	DESCRIPTION	MAT'L	SPEC
56	56	56 DELETED		
55	55	55 601.2823	BOLT	AN3-4A
54	54	54 W10348HG	SWITCH	
53	53	53 000.407	INTON CONO	ML-C-5040 TYPE B
52	52	52 DELETED		
51	51	51 DELETED		
50	50	50 DELETED		
49	49	49 DELETED		
48	48	48 AE85789M	PLUG	
47	47	47 AE85789H	PLUG	
46	46	46 AE85691M	FITTING	
45	45	45 AE85668H	FITTING	
44	44	44 DELETED		
43	43	43 975-0001-01	VENT VALVE	
42	42	42 AE1011664H0480	HOSE ASSY (INTERNAL FUEL)	
41	41	41 41228-301-083-00	HOSE ASSY (INTERNAL VENT)	
40	40	40 124K002-BCR0300	HOSE ASSY (R/H SMALL FUEL RETURN)	
39	39	39 124K002-BCR0316	HOSE ASSY (L/H SMALL FUEL RETURN)	
38	38	38 PS4023M000A172664	HOSE ASSY (R/H LARGE FUEL RETURN)	
37	37	37 PS4023M000A172624	HOSE ASSY (L/H LARGE FUEL RETURN)	
36	36	36 DELETED		
35	35	35 41228-700-009-001	DECAL (FUEL)	
34	34	34 41228-202-153-001	RING, ADAPTER PLATE	
33	33	33 41228-700-009-003	DECAL (GROUND HERE)	
32	32	32 41228-400-009-005	L/H TANK WIRING HARNESS	
31	31	31 41228-400-009-004	R/H TANK WIRING HARNESS	
30	30	30 DELETED		
29	29	29 20528-301-007-005	STENCIL (VENT)	
28	28	28 20528-301-007-004	STENCIL (SUMP DRAIN)	
27	27	27 20528-301-007-002	STENCIL	
26	26	26 41228-301-006-007	STENCIL	
25	25	25 41228-203-049-003	INSTL. LIGHTNING GUARD	
24A	24A	24A 41228-202-135-004	R/H FUEL RETURN PLATE ASSY	
24	24	24 41228-202-135-003	L/H FUEL RETURN PLATE ASSY	
23	23	23 41228-202-154-001	VENT PLATE	
22	22	22 41228-200-006-004	R/H COVER ASSY	
21	21	21 41228-200-006-003	L/H COVER ASSY	
20	20	20 41228-200-006-002	R/H TANK ASSY	
19	19	19 41228-200-006-001	L/H TANK ASSY	

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

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Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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D

D |

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
--	--	---	--

VIEW OF FUEL CELL IN TANK SHELL

ORIGINAL DATE: 04-18-01 (NO. 20A-18)	DATE: 04-18-01	 APICAL INDUSTRIAL, INC.	BOOKED
DESIGNED BY: D. NELSON	MARKED: MARVELL		DATE: 04-18-01
DRAWING APPROVAL:			DATE: 04-18-01
CONTRACT NO.		TANK ASSY	
QUANTITY SHOWN: SPECIFIED UNLESS NOTED IN NOTES 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783.			

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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1 2 3 4 5 6 7 8

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TO VENT PLATE (A)
SEE SECTION H-H

SHT 10

FWD

A/C LUG
TANK LUG
INSTALLATION
HARDWARE (REF.)
GROUNDING
BRACKET
ASSY

DETAIL - A-1

VIEW LOOKING AT UPPER L/H
FWD ATTACH FITTING,
F.S. 84.5

DETAIL - A

FILLER PORT / VENT VALVE ASSY

41228-200-006-003 L/H COVER ASSY (SHOWN)
41228-200-006-004 R/H COVER ASSY (OPPOSITE)

ORIGINAL DATE 04-18-01		APICAL INDUSTRIES, INC.	
DESIGNED BY D. NELSON	CHECKED BY H. HARRILL	TANK ASSY	
CONTRACT NO.		REV C	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ± .005 1 PLACE DECIMALS ± .010 ANGLES ± 1°		SIZE B	SCALE 07M25
DRAWING NO. 41228-200-006		SHEET 5 OF 10	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

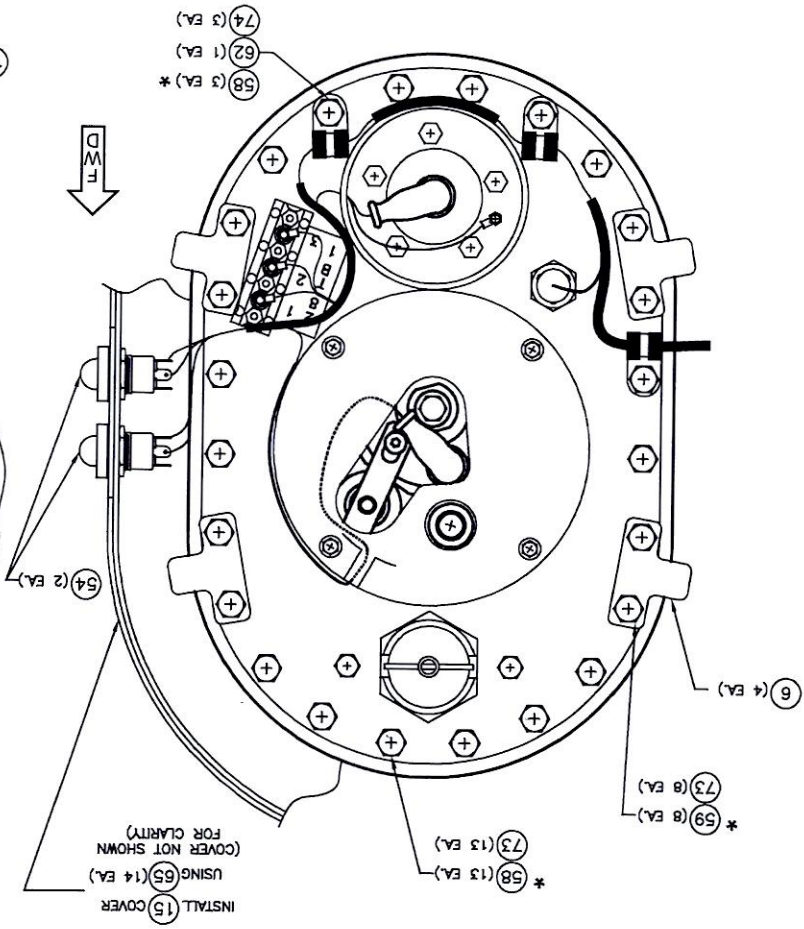
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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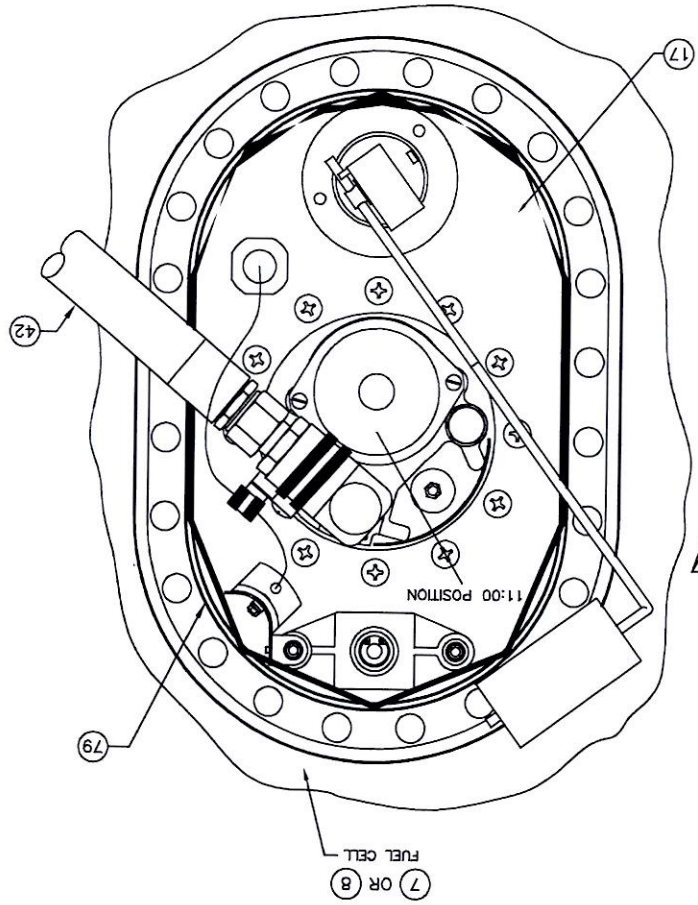
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L/H TANK

* TORQUE 50-80 IN/LBS.

SECTION - D-D
VIEW LOOKING DOWN
SHT 4



APICAL INDUSTRIES, INC.		CONTRACT NO.	41228-200-006
TANK ASSY		DATE CODE	07/28
REVISIONS		REV	0
APPROVED BY		DATE	06-18-01
DESIGNED BY		DATE	06-18-01
CHECKED BY		DATE	06-18-01
DRAWN BY		DATE	06-18-01
SCALE		SHEET 8 OF 10	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

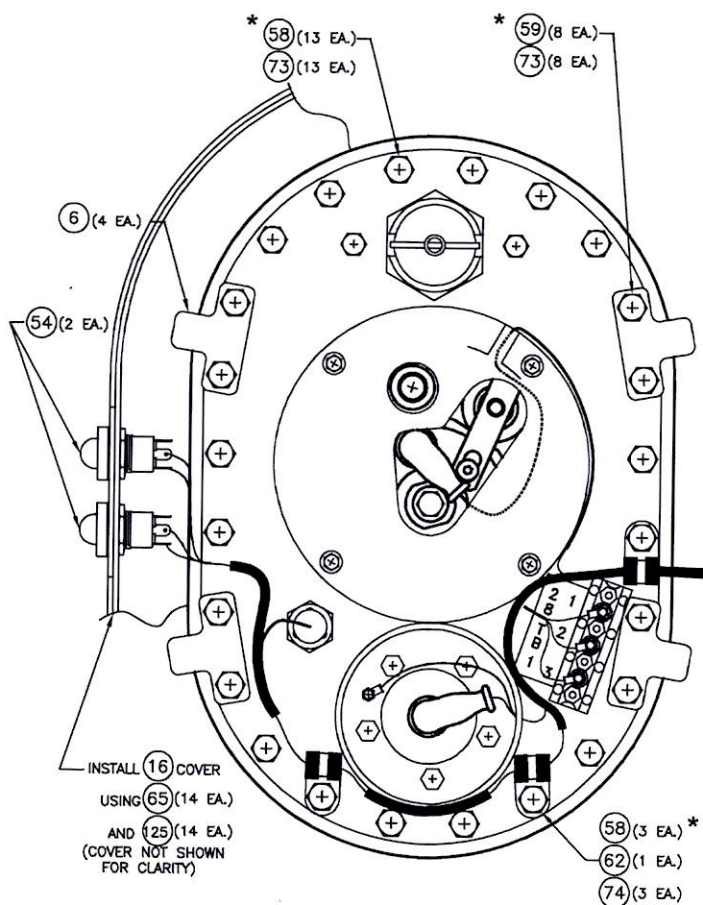
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
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Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

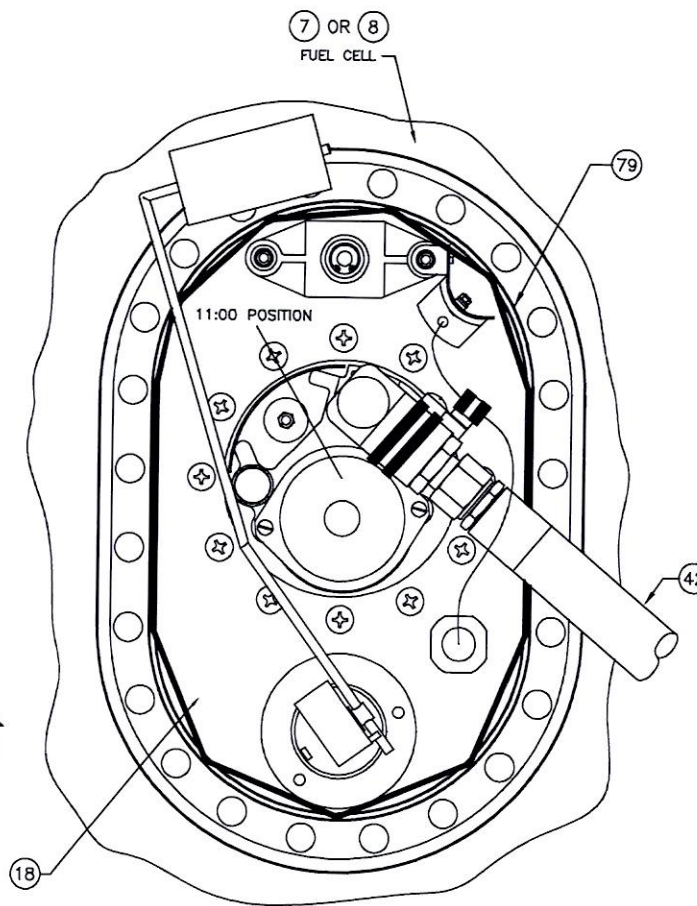
Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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SECTION - E-E SHT 4
VIEW LOOKING UP

FWD



SECTION - D-D SHT 4
VIEW LOOKING DOWN

* TORQUE 50-80 IN/LBS.

R/H TANK

ORIGINAL DATE: 04-18-01		REV G	
DRAWN BY: D. NELSON		REV G	
CHECKED BY: MARSHALL		REV G	
DRAWING APPROVAL:		REV G	
CONTRACT NO.:		REV G	
UNLESS OTHERWISE SPECIFIED:		REV G	
DIMENSIONS ARE IN INCHES		REV G	
3 PLACE DECIMALS & 30		REV G	
ANGLES 1°		REV G	
SIZE: B	CAGE CODE: 07M26	ORC. NO.: 41228-200-006	REV G
SCALE:	SCALE:	SHEET 7 OF 10	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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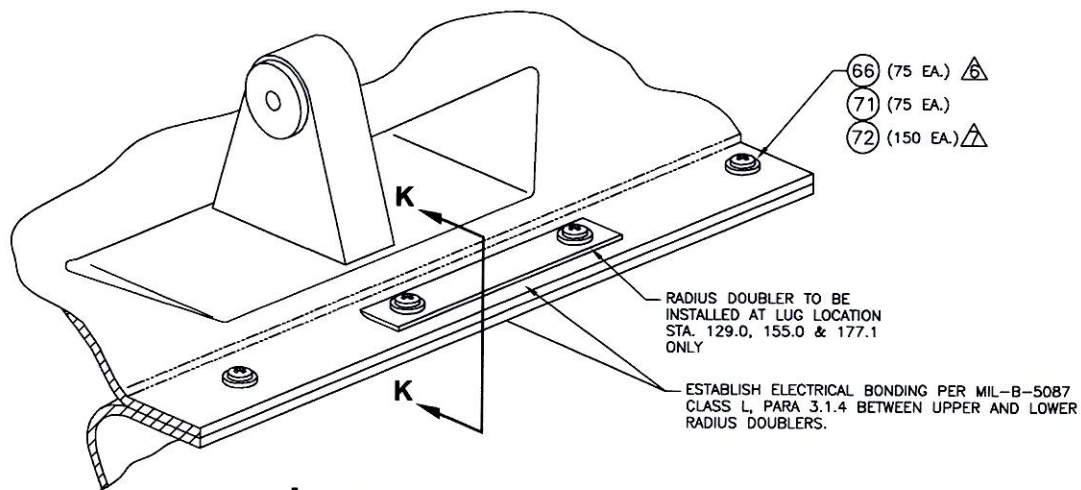
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

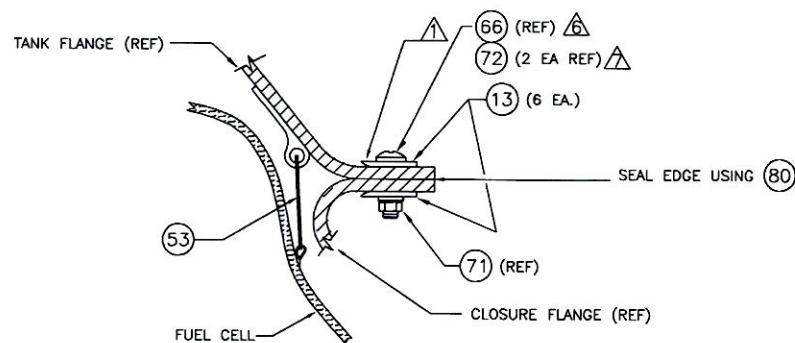
Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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1 2 3 4 5 6 7 8

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DETAIL - J SHT 4



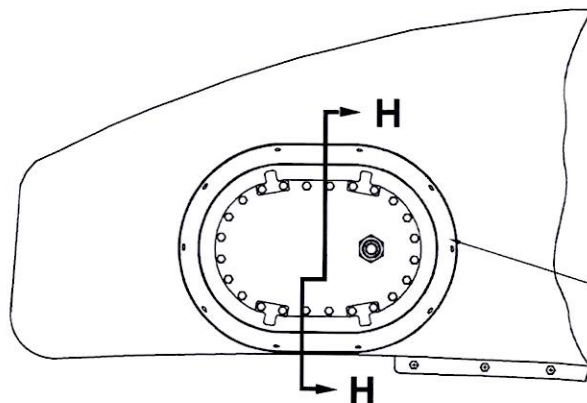
SECTION - K-K

CLOSURE MOUNTING ON TANK SHELL

ORIGINAL DATE: 04-18-01			
DRAWN BY: DANIELSON			
CHECKED: HANSELL		TANK ASSY	
DRAWING APPROVAL:		SCALE: SCALE	
CONTRACT NO.:		SHEET 8 OF 10	
MAKING OVERSIDE SPECIFIED DIMENSIONS ARE IN INCHES 1 PLACE DECIMALS 0.1 2 PLACE DECIMALS 0.01 3 PLACE DECIMALS 0.001		SIZE: B CASE CODE: 07428 SCALE: SCALE	Dwg. No.: 41228-200-006 REV: G

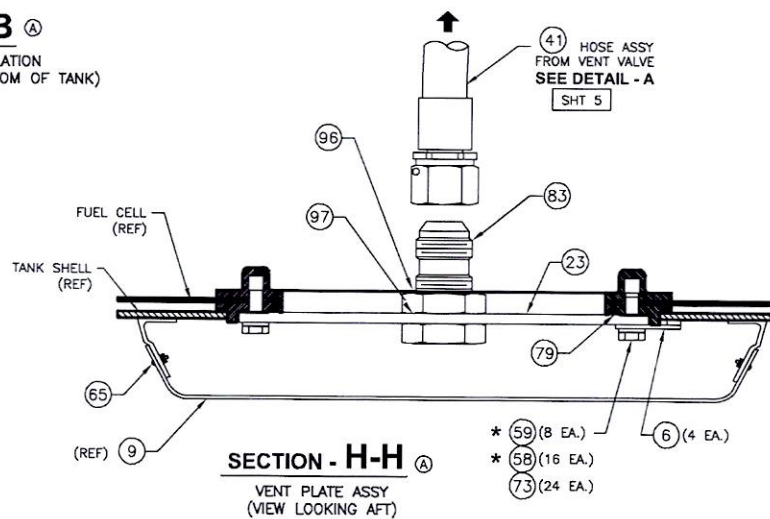
1 2 3 4 5 6 7 8

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INSTALL VENT COVER ITEM (9) REF (65) (12 EA.) AND (25) (12 EA.) (COVER NOT SHOWN FOR CLARITY)

VIEW - B-B (A)
VENT PLATE INSTALLATION
(VIEW LOOKING UP AT BOTTOM OF TANK)
SHT 4



SECTION - H-H (A)
VENT PLATE ASSY
(VIEW LOOKING AFT)

* (59) (8 EA.)
* (58) (16 EA.)
(73) (24 EA.)
(6) (4 EA.)

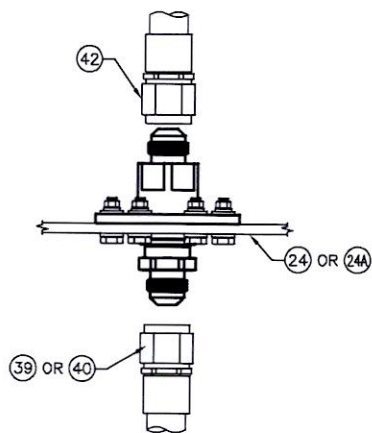
* TORQUE 50-80 IN/LBS.

ORIGINAL DATE 04-18-01		CHECKED BY D. NELSON	
DRAWING APPROVAL		MARSHALL	
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES 1 PLACE DECIMALS ± .05 3 PLACE DECIMALS ± .005 ANGLES ± .05			
SIZE B	CAGE CODE 07426	DOC. NO. 41228-200-006	REV G
SCALE	SCALE	SHEET 9 OF 10	

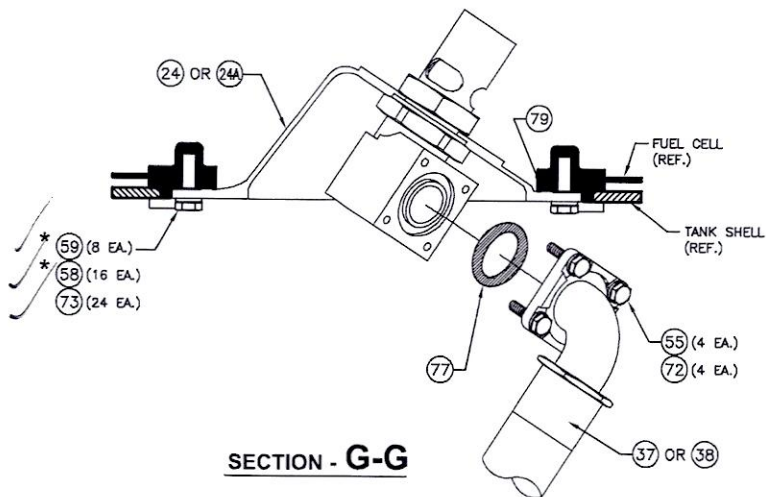
APICAL
INDUSTRIES, INC.

TANK ASSY

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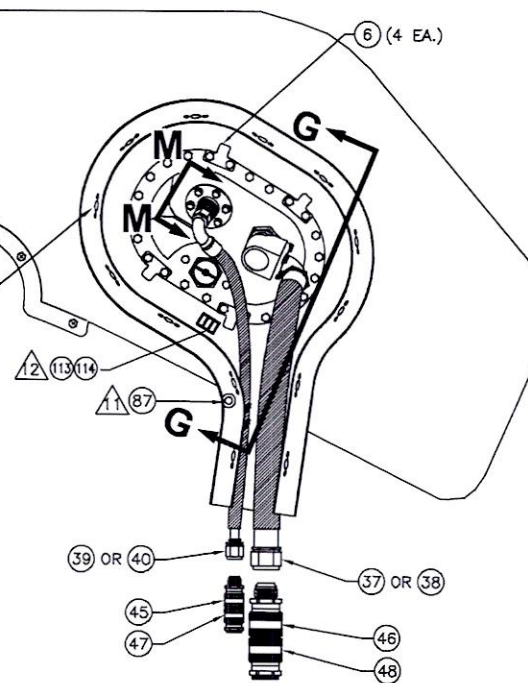
SECTION - M-M



SECTION - G-G

* TORQUE 50-80 IN/LBS.

INSTALL RETURN CAVITY COVER ITEM 11 L/H & 12 R/H USING 65 (17 EA.) AND 29 (17 EA.) (COVER NOT SHOWN FOR CLARITY)



VIEW - F-F

FUEL RETURN CAVITY ASSY INSTALLATION (VIEW LOOKING UP AT BOTTOM OF L/H TANK)

SHT 4

ORIGINAL DATE (MO-DA-YR) 04-18-01	CHECKER DANIELSON	APICAL INDUSTRIES, INC.	CONTRACT NO.
DRAWN BY DANIELSON	CHECKER MARSHALL	41228-200-006	REV G
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS TO 16 DECIMALS TO 3 PLACES DECIMALS 2 AND HUNDRETHS	SCALE 07M26	SCALE	SHEET 10 OF 10